```
Part 1
Enter size of the array: 8
Array after initialization:
0
1
2
3
4
5
6
7
Successfully deleted array
>> Click Any Key to Proceed to Part 2
```

Part 2 Creating a triangle and displaying its coordinates

```
Triangle needs to be created.
Enter the 3 coordinates comma-seperated for 'Vertex 1' (x, y, z): 4,2,1
Enter the 3 coordinates comma-seperated for 'Vertex 2' (x, y, z): 6,4,3
Enter the 3 coordinates comma-seperated for 'Vertex 3' (x, y, z): 2,6,3
Triangle created successfully.
Menu:
0. Create Triangle
1. Display Triangle Coordinates
2. Translate Triangle
3. Calculate Triangle Area
4. Exit
Enter your choice: 1
TESTING POINT DISPLAY FUNC: Point(4,2,1)
Triangle: {
 Vertex1: (4,2,1)
 Vertex2: (6,4,3)
 Vertex3: (2,6,3)
```

Translating the triangle

```
Enter your choice: 2
Enter translation distance (d): 5
Enter the translation axis (x, y \text{ or } z): y
Triangle translated successfully by 5 units along the y axis
Menu:
0. Create Triangle
1. Display Triangle Coordinates
2. Translate Triangle
3. Calculate Triangle Area
4. Exit
Enter your choice: 1
TESTING POINT DISPLAY FUNC: Point(4,17,1)
Triangle: {
 Vertex1: (4,17,1)
 Vertex2: (6,19,3)
 Vertex3: (2,21,3)
```

Calculating the area

```
Enter your choice: 3
Area of the triangle: 7.48331
```

Graceful exiting

```
Enter your choice: 4
Exiting menu...

Process finished with exit code 0
```